

EXAMPLE SCENARIO 7

Option 2

TABLE 9.1.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs

REASONABLE MAXIMUM EXPOSURE

The Dean Company

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Groundwater	Groundwater	Aquifer 1 - Tap Water	Bis(2-ethylhexyl)phthalate	7E-07	--	1E-07	--	8E-07	Liver	0.007	--	0.001	0.008
			Chloroform	5E-07	--	1E-08	--	5E-07	Liver	0.03	--	0.0006	0.03
			Chemical Total	1E-06	--	1E-07	--	1E-06		0.03	--	0.002	0.04
			Radionuclide Total										
			Exposure Point Total					1E-06					0.04
	Air	Water Vapors from Showerhead	Bis(2-ethylhexyl)phthalate	--	3E-08	--	--	3E-08		--	--	--	--
			Chloroform	--	1E-05	--	--	1E-05	Liver	--	5	--	5
			Chemical Total	--	1E-05	--	--	1E-05		--	5	--	5
			Radionuclide Total										
			Exposure Point Total					1E-05					5
Soil	Soil	Soil at Site 1	4,4'-DDE	1E-06	--	1E-06	--	2E-06		--	--	--	--
			4,4'-DDT	5E-06	--	5E-006	--	1E-005	Liver	0.08	--	0.08	0.2
			Chemical Total	6E-06	--	6E-06	--	1E-05		0.08		0.08	0.2
			Radionuclide Total										
			Exposure Point Total					1E-05					0.2
		Soil at Site 2	4,4'-DDE	8E-08	--	8E-08	--	2E-07		--	--	--	--
			4,4'-DDT	5E-08	--	5E-08	--	1E-07	Liver	0.0009	--	0.0009	0.002
			Chemical Total	1E-07	--	1E-07	--	3E-07		0.0009		0.0009	0.002
			Radionuclide Total										
			Exposure Point Total					3E-07					0.002

Total Risk Across All Media

2E-05

Total Hazard Across All Media =

5

Total Liver HI Across All Media =

5